

Unisonic 740[®]

M +

M -

8 Digits with Memory Calculator

INSTRUCTION MANUAL

1. DISPLAY

8 Digits
Minus sign
Memory sign
Over-flow sign
Zero suppression

2. FUNCTION

Addition, Subtraction, Multiplication, Division,
Automatic constant calculation for multi. and Div.
Repeating addition and subtraction, Square and power
calculation,
Add-ON discount calculation, Percent calculation,
Memory calculation and other applications.

3. DECIMAL POINT SYSTEM

Full floating decimal point.

4. CAPACITY

Entry and Result: 8 digits
Add/Sub : 8 digits \pm 8 digits = 8 digits
Mul. : 8 " \times 8 " = 8 "
Div. : 8 " \div 8 " = 8 "

5. OTHER FUNCTION

Negative : Credit balance with Minus-sign.

Autoclear : Automatic clear at power on time.

6. POWER SOURCE

Dry batteries 1.5V x (UM-3 or AM-3)
or AC with AC Adaptor.

7. DIMENSIONS

25mm (high) x 85mm (wide) x 135mm (length)

8. WEIGHT

250 g

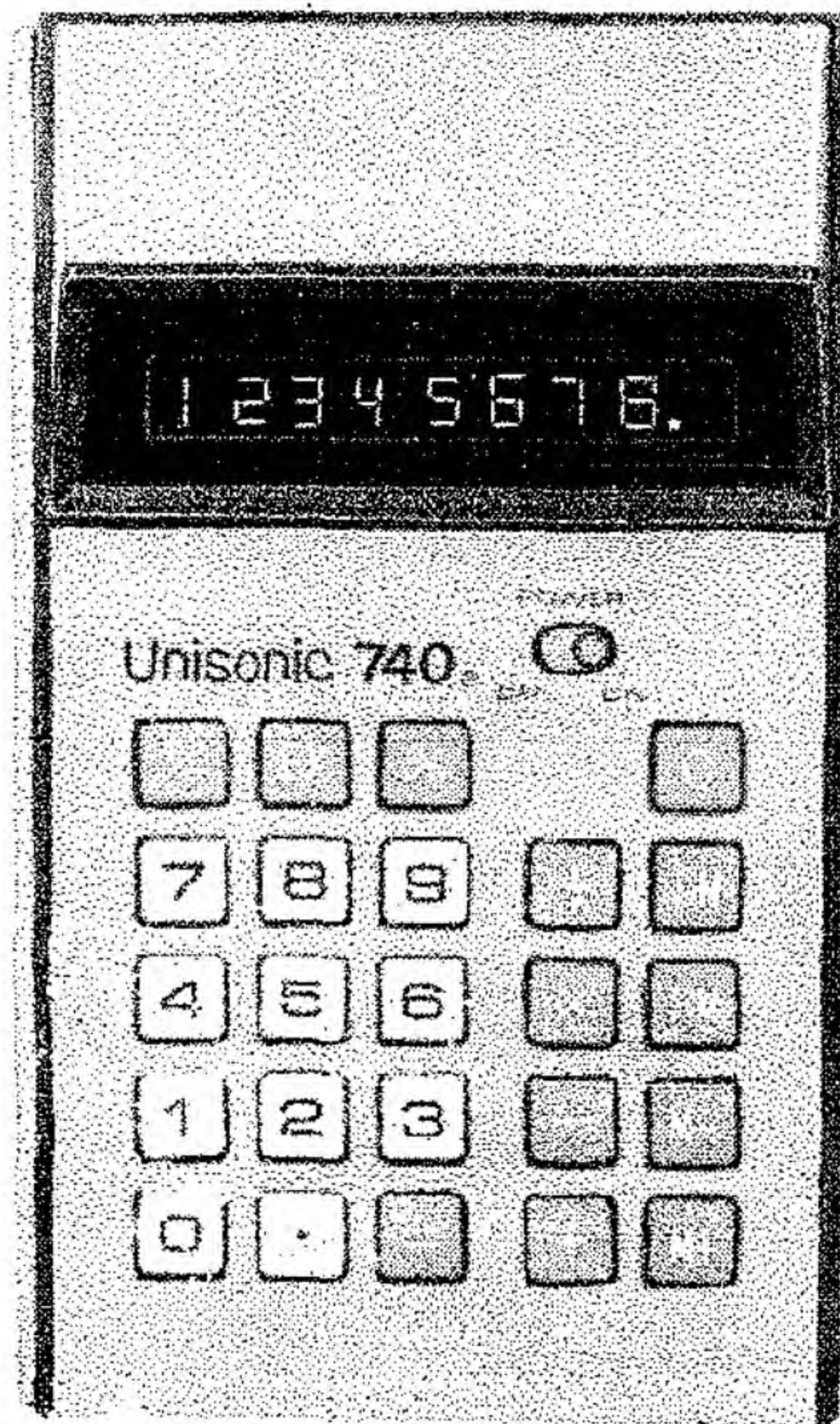
9. POWER CONSUMPTION

0.5 W

10. LSI

MOS LSI complete 1 chip.

11. KEY IDENTIFICATIONS



- [0] - [9] Numeral keys — Used to enter numbers.
- [.] Decimal point key — Used to enter decimal point.
- [+] Plus key — Used for addition.
- [-] Minus key — Used for subtraction.
- [×] Multiply key — Used for multiplication.
- [÷] Division key — Used for division.
- [C] Clear key — Used for clear and clear entry.

- [=] Equal key — Used for Div. Multi. ADD and SUB calculation.

- [%] Percentage key — Used for percentage calculation.
- [CM] Clear memory key — Used for clear memory.
- [RM] Recall memory key — Used for recall memory.
- [MF] Memory plus key — Used for ADD to memory.
- [M-] Memory minus key — Used for SUB from memory.
- [EX] Exchange key — Used for exchange the contents of two registers.

- [±] Sign change key — Used for change the sign of the display.

12. CALCULATION EXAMPLES

(1) Addition and Subtraction

$$1.23 + 4.56 - 7.89 = -2.1$$

$$\boxed{C} \ 1.23 \boxed{+} \ 4.56 \boxed{-} \ 7.89 \boxed{=}$$

$$\longrightarrow 2.10 -$$

(2) Multiplication

$$12.3 \times 45.6 \times 78.9 = 44253.432$$

$$\boxed{C} \ 12.3 \boxed{\times} \ 45.6 \boxed{\times} \ 78.9 \boxed{=}$$

$$\longrightarrow 44253.432$$

(3) Division

$$20736 \div 12 \div 4 = 432$$

$$\boxed{C} \ 20736 \boxed{\div} \ 12 \boxed{\div} \ 4 \boxed{=}$$

$$\longrightarrow 432$$

(4) Mix

$$\frac{2 \times 3 \times 8 - 8}{2 \times 3} + 4 = 10.666666$$

$$\boxed{C} \ 2 \boxed{\times} \ 3 \boxed{\times} \ 8 \boxed{-} \ 8 \boxed{\div} \ 2 \boxed{\div} \ 3 \boxed{+} \ 4 \boxed{=}$$

$$\longrightarrow 10.666666$$

(5) CONSTANT MUL/DIV

123	X	2	=	246
123	X	5	=	615
123	X	8	=	984

☐ 123 ☐ 2 ☐ \longrightarrow 246
 5 ☐ \longrightarrow 615
 8 ☐ \longrightarrow 984

123	\div	3	=	41
333	\div	3	=	111
999	\div	3	=	333

☐ 123 ☐ 3 ☐ \longrightarrow 41
 333 ☐ \longrightarrow 111
 999 ☐ \longrightarrow 333

(6) SQUARE

4	\square	=	16
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☐ 4 ☐ \longrightarrow 256

(7) POWER

$$3^6 = 729$$

$$\boxed{C} \ 3 \ \boxed{\times} \ \boxed{=} \ \boxed{=} \ \boxed{=} \ \boxed{=} \ \boxed{=} \ \boxed{=} \longrightarrow 729$$

(8) RECIPROCAL

$$\frac{1}{2 + 3 + 5 - 5} = 0.2$$

$$\boxed{C} \ 2 \ \boxed{+} \ 3 \ \boxed{+} \ 5 \ \boxed{-} \ 5 \ \boxed{\div} \ 1 \ \boxed{EX} \ \boxed{=} \longrightarrow 0.2$$

$$\text{or } \boxed{C} \ 2 \ \boxed{+} \ 3 \ \boxed{+} \ 5 \ \boxed{-} \ 5 \ \boxed{\div} \ \boxed{=} \ \boxed{=} \longrightarrow 0.2$$

(9) PERCENT CALCULATION

(a) How much is 20% of 200?

$$\boxed{C} \ 200 \ \boxed{\times} \ 20 \ \boxed{\%} \longrightarrow 40$$

(b) How much % is 200 of 400?

$$\boxed{C} \ 200 \ \boxed{\div} \ 400 \ \boxed{\%} \longrightarrow 50$$

(10) ENTRY CLEAR

$$123 \times 123 = 15129$$

$$\boxed{C} 123 \boxed{\times} \underline{122} \boxed{C} 123 \boxed{=} \longrightarrow 15129$$

↑
mis-entry

(11) REPEATED CALCULATION

$$3 + 2 + 2 + 2 + 2 - 2 = 9$$

$$\boxed{C} 3 \boxed{+} 2 \boxed{+} \boxed{+} \boxed{+} \boxed{-} \boxed{=} \longrightarrow 9$$

(12) DISCOUNT ADD-ON CALCULATION

$$100 - (20\%) = 80$$

$$\boxed{C} 100 \boxed{-} 20 \boxed{\%} \boxed{=} \longrightarrow 80$$

$$100 + (20\%) = 120$$

$$\boxed{C} 100 \boxed{+} 20 \boxed{\%} \boxed{=} \longrightarrow 120$$

(13) \pm KEY USED CALCULATION

$$8 \times 15 \div (-3) \div 5 - 15 = -23$$

$$\boxed{C} \ 8 \ \boxed{\times} \ 15 \ \boxed{\div} \ 3 \ \boxed{\pm} \ \boxed{\div} \ 5 \ \boxed{=} \ 15 \ \boxed{=} \longrightarrow -23$$

(14) MEMORY CALCULATION

$$123 \times 3 + 456 \times 2 - 789 \times 5 = -2664$$

$$\boxed{C} \ \boxed{CM} \ 123 \ \boxed{\times} \ 3 \ \boxed{=} \ \boxed{M+} \ 456 \ \boxed{\times} \ 2 \ \boxed{=} \ \boxed{M+}$$

$$789 \ \boxed{\times} \ 5 \ \boxed{=} \ \boxed{M-} \ \boxed{RM} \longrightarrow -2664. \quad M$$

$$\text{or } \boxed{C} \ \boxed{CM} \ 123 \ \boxed{\times} \ 3 \ \boxed{=} \ \boxed{M+} \ 456 \ \boxed{\times} \ 2 \ \boxed{=} \ \boxed{M+}$$

$$789 \ \boxed{\pm} \ \boxed{\times} \ 5 \ \boxed{=} \ \boxed{M+} \ \boxed{RM} \longrightarrow -2664. \quad M$$

(15)

$$123 \times 96 + 456 \times 85 + 789 \times 74 = 108954$$

$$\boxed{\text{CM}} \boxed{\text{C}} 123 \boxed{\times} 96 \boxed{=} \boxed{\text{M}+} 456 \boxed{\times} 85 \boxed{=} \boxed{\text{M}+} 789 \boxed{\times} 74 \boxed{=} \boxed{\text{M}+} \boxed{\text{RM}} \boxed{=} \longrightarrow 108954$$

$$123 \div 96 + 456 \div 85 + 789 \div 74 = 17308$$

$$\boxed{\text{CM}} \boxed{\text{C}} 123 \boxed{\div} 96 \boxed{=} \boxed{\text{M}+} 456 \boxed{\div} 85 \boxed{=} \boxed{\text{M}+} 789 \boxed{\div} 74 \boxed{=} \boxed{\text{M}+} \boxed{\text{RM}} \boxed{=} \longrightarrow 17308$$

$$123 \times 5 + 456 \times 6 - 789 \times 7 = -2172$$

$$\boxed{\text{CM}} \boxed{\text{C}} 123 \boxed{\times} 5 \boxed{=} \boxed{\text{M}+} 456 \boxed{\times} 6 \boxed{=} \boxed{\text{M}+} 789 \boxed{\times} 7 \boxed{=} \boxed{\text{M}-} \boxed{\text{RM}} \boxed{=} \longrightarrow -2172$$

OR

$$\boxed{\text{CM}} \boxed{\text{C}} 123 \boxed{\times} 5 \boxed{=} \boxed{\text{M}+} 456 \boxed{\times} 6 \boxed{=} \boxed{\text{M}+} 789 \boxed{\pm} \boxed{\times} 7 \boxed{=} \boxed{\text{M}+} \boxed{\text{RM}} \boxed{=} \longrightarrow -2172$$

SIGN CHANGE

$$\frac{4^2}{8} \times (-3) = -6$$

$$\boxed{\text{C}} 4 \boxed{\times} \boxed{=} \boxed{\times} 3 \boxed{\pm} \boxed{\div} 8 \boxed{=} \longrightarrow -6$$

SERVICE CERTIFICATE

Your electronic calculator is a highly precise electronic instrument which will serve you for many years with normal care.

UNISONIC PRODUCTS are guaranteed against defects in materials or workmanship for a period of ninety (90) days from date of purchase. This guarantee applies only to the original owner registered on the card below. This card must be completed and mailed, postage paid, within ten (10) days from date of purchase. Any merchandise that has been repaired by an unauthorized party, tampered with, or abused is not covered by this guarantee.

After ninety (90) days from date of purchase, this unit will be for the minimum service charge of Nine Dollars (\$9.00). Any unit requiring repair after this ninety (90) day period should be returned,

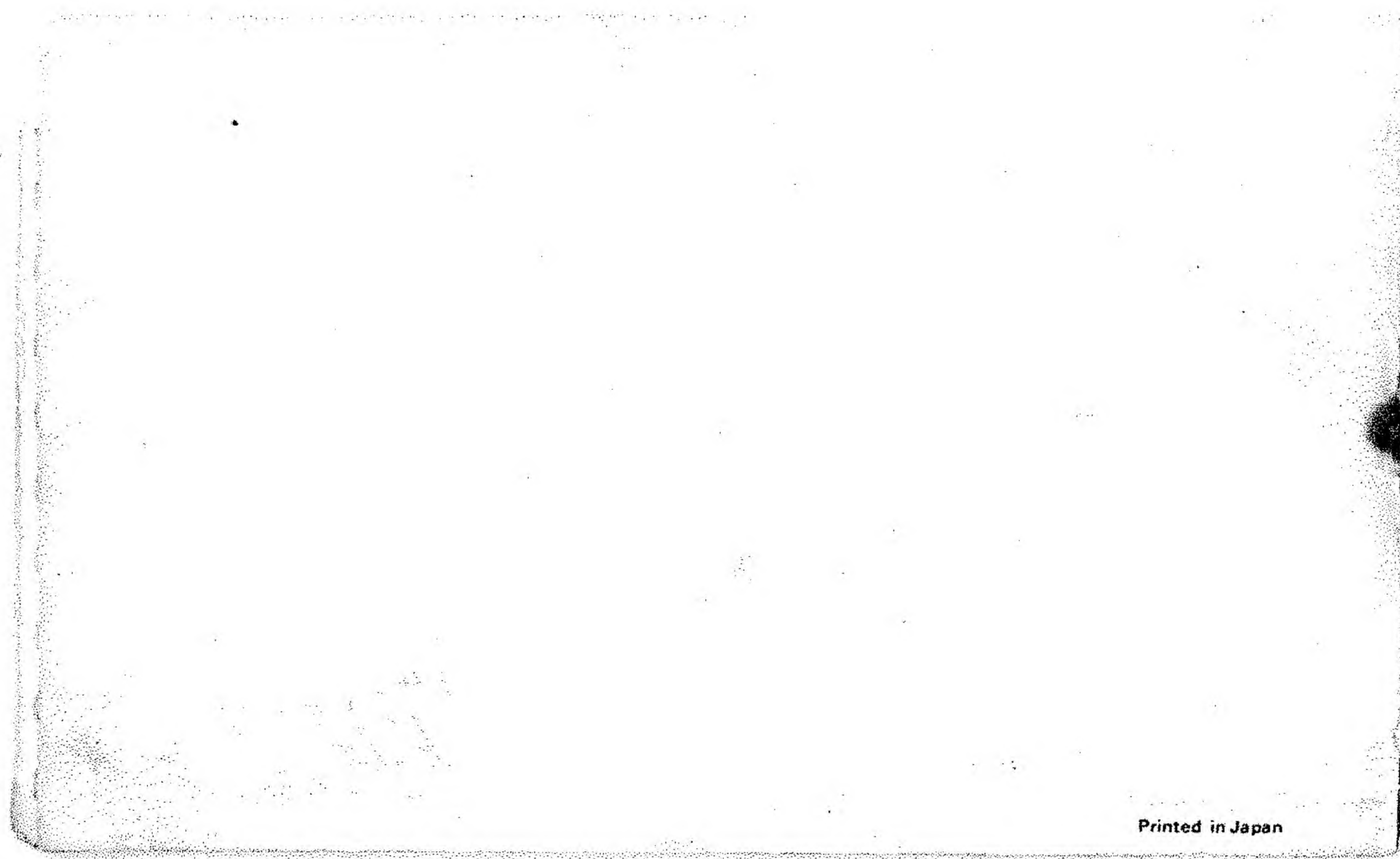
postage prepaid, with a check or money order for Nine Dollars (\$9.00) to the address below.

All merchandise must be returned, prepaid and fully insured, in the original packaging container or in a similarly-constructed container, via U.P.S. where possible. Enclose a letter explaining the problems, with place and date of purchase.

All defective units should be returned to

UNISONIC
Service Department
16 West 25th Street
New York, N.Y. 10010

MODEL NO. 740
DATE OF PURCHASE 1-29-75
DEALER'S NAME Gift
SERIAL NO. 0240456



Printed in Japan